**Technical Data Sheet**

**InVivoMAb anti-mouse TIGIT**

**Lot Specific Information**
- **Lot Number:** Lot Specific*
- **Volume:** Lot Specific*
- **Concentration:** Lot Specific* (generally 4 to 11 mg/ml) *
- **Total Protein:** Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

**Product Information**
- **Catalog Number:** BE0274
- **Clone:** 169
- **Isotype:** Mouse IgG1, κ
- **Recommended Isotype Control(s):** InVivoMAb mouse IgG1 isotype control, unknown specificity
- **Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer
- **Immunogen:** Mouse TIGIT
- **Reported Applications:** In vivo TIGIT stimulation
  - Flow cytometry
- **Formulation:** PBS, pH 7.0
  - Contains no stabilizers or preservatives
- **Endotoxin:** <2EU/mg (<0.002EU/μg)
  - Determined by LAL gel clotting assay
- **Purity:** >95%
  - Determined by SDS-PAGE
- **Sterility:** 0.2 μm filtered
- **Production:** Purified from tissue culture supernatant in an animal free facility
- **Purification:** Protein G
- **RRID:** AB_2687797
- **Molecular Weight:** 150 kDa

**Description**
The 169 monoclonal antibody reacts with mouse TIGIT (T cell immunoreceptor with Ig and ITIM domains). TIGIT is a 26 kDa, type I transmembrane protein and a member of the poliovirus receptor (PVR) family. TIGIT has been found to be expressed on follicular T helper cells in mice while in humans it’s expressed by many T cell subsets including activated T cells, follicular T helper cells, memory T cells, and regulatory T cells as well as on NK cells. TIGIT can interact with certain members of the PVR and PVR-like families, including PVR, PVR-L2, PVR-L3, CD155, and CD112. TIGIT is thought to negatively regulate NK and T cell activation. Binding of TIGIT on T cells by dendritic cells results in their differentiation into a tolerogenic phenotype, with increased secretion of IL-10 and diminished production of IL-12. TIGIT knock-out mice are more susceptible to autoimmune disease.

**Shelf-life and Storage**
Store at the stock concentration at 4°C. Do not freeze.
All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ’s at bxcell.com/faqs.

**Protocol Information**
Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

**Application References**
For a complete list of references, visit [https://bxcell.com/product/inivivomab-anti-mouse-tigit/#references](https://bxcell.com/product/inivivomab-anti-mouse-tigit/#references) or scan the QR code below.

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bxcell.com
1.866.787.3444
customerservice@bxcell.com
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